

California Short-Term Occupational Projections for 2004

For the first time, the California Employment Development Department, Labor Market Information Division (LMID) is releasing short-term occupational projections, using a method designed for the Department of Labor and State Labor Market Information programs. (See <http://dev.projectionscentral.com/stip/stip.html> for more information about short-term projections.) Short-term projections are most useful for job seekers who need information about the current labor market. We forecast that in 2004 California employment will grow about 1 percent, adding about 142,000 jobs. This is much less than both the average growth of 1.8 percent over the last ten years and the 3.5 percent growth that occurred in 2000. In addition, we expect about 364,000 replacement jobs to be available, when individuals leave their jobs due to retirement or career change.

The occupational job outlook for 2004 is shown in three tables:

- Major Occupation Groups (Table 1 and Chart 1)
- Top Growth Occupations (Table 2 and Chart 2)
- Fastest Growing Occupations (Table 3 and Chart 3)

Major Occupational Groups

Table 1, shows the projected growth, separations and total openings of the Major Occupational Groups on an annualized basis. The occupational group with the most growth in 2004 will be Sales and Related Occupations. This group includes a wide range of sales occupations, from real estate brokers to cashiers. The top four occupational groups: 1) Sales, 2) Computer and Mathematical, 3) Education, Training and Library and 4) Food Preparation Occupations, will generate almost half of all the occupational growth in 2004. The fastest growing occupational group in 2004 is projected to be Computer and Mathematical Occupations. Examples of occupations in this group include Computer Programmers, Software Engineers and Computer Support Specialists. Nearly two-thirds of California's information technology (IT) professionals work in high technology industries. However despite the declines in high technology, about half of the more general IT professional occupations, such as Computer Programmers, Systems Analysts, Computer Support Specialists, and Database Administrators are found throughout the California economy. Businesses in all sectors have increased their productivity by automating administrative functions and other computer related activities and continuing to fill high technology jobs.

Employment opportunities can result from both industry growth and separations, resulting in a greater number of estimated job openings. Industry growth occurs when the demand for goods and services rises creating a demand for more workers to provide these goods and services. Separations also have an effect on employment growth because an opening (job vacancy) is created whenever a worker separates from a job to change occupations, retires, returns to school, or leaves the labor market for any reason. Some occupations, particularly at the low end of the economy, have higher separation rates. When both growth and separations are considered, the three occupational groups with the most job openings in 2004 will be 1) Food Preparation, 2) Sales and 3) Office and Administrative Support Occupations. These occupational groups will have approximately 225,000 job openings or about 44 percent of all the new job openings in 2004.

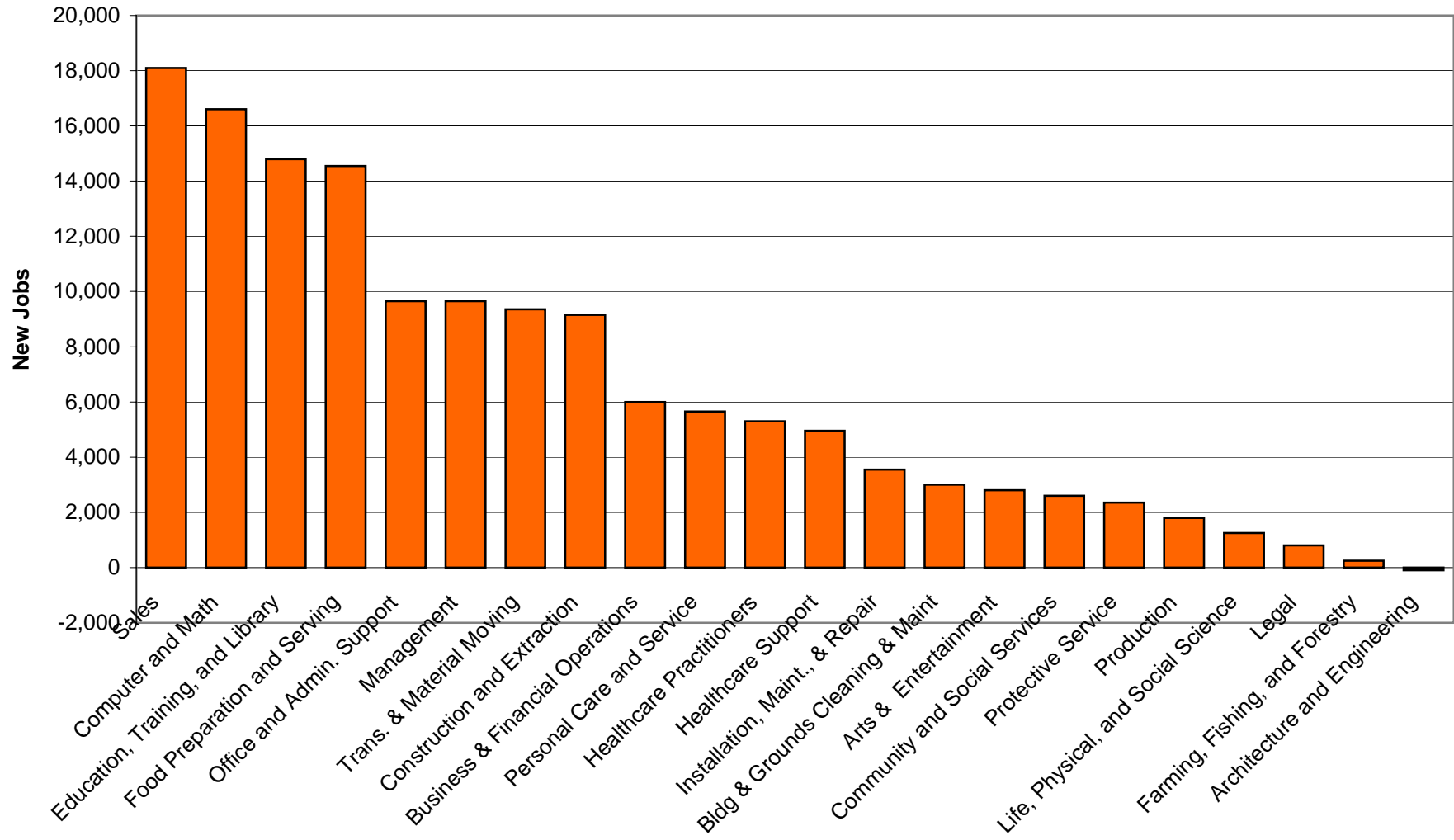
Table 1

**California
Major Occupational Groups
2002-2004**

SOC Occupational Groups Code	2002	2004	Annualized Growth	Annualized Percent Growth	Annualized Total Separations	Annualized Total Openings
11-0000 Management Occupations	855,500	874,800	9,650	1.1%	13,200	22,850
13-0000 Business and Financial Operations Occupations	616,800	628,800	6,000	1.0%	11,100	17,100
15-0000 Computer and Mathematical Occupations	398,100	431,300	16,600	4.2%	2,900	19,500
17-0000 Architecture and Engineering Occupations	335,000	334,800	-100	0.0%	6,400	6,300
19-0000 Life, Physical, and Social Science Occupations	131,300	133,800	1,250	1.0%	3,700	4,950
21-0000 Community and Social Services Occupations	155,900	161,100	2,600	1.7%	2,100	4,700
23-0000 Legal Occupations	106,300	107,900	800	0.8%	700	1,500
25-0000 Education, Training, and Library Occupations	854,300	883,900	14,800	1.7%	16,700	31,500
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations	181,900	187,500	2,800	1.5%	3,350	6,150
29-0000 Healthcare Practitioners and Technical Occupations	564,400	575,000	5,300	0.9%	10,550	15,850
31-0000 Healthcare Support Occupations	300,800	310,700	4,950	1.6%	5,400	10,350
33-0000 Protective Service Occupations	357,800	362,500	2,350	0.7%	11,900	14,250
35-0000 Food Preparation and Serving Related Occupations	1,132,700	1,161,800	14,550	1.3%	63,800	78,350
37-0000 Building and Grounds Cleaning and Maintenance Occupations	417,800	423,800	3,000	0.7%	8,400	11,400
39-0000 Personal Care and Service Occupations	295,400	306,700	5,650	1.9%	10,350	16,000
41-0000 Sales and Related Occupations	1,553,800	1,590,000	18,100	1.2%	60,250	78,350
43-0000 Office and Administrative Support Occupations	2,833,900	2,853,200	9,650	0.3%	58,200	67,850
45-0000 Farming, Fishing, and Forestry Occupations	26,700	27,200	250	0.9%	750	1,000
47-0000 Construction and Extraction Occupations	707,000	725,300	9,150	1.3%	12,550	21,700
49-0000 Installation, Maintenance, and Repair Occupations	513,600	520,700	3,550	0.7%	10,150	13,700
51-0000 Production Occupations	1,167,900	1,171,500	1,800	0.2%	25,000	26,800
53-0000 Transportation and Material Moving Occupations	1,026,900	1,045,600	9,350	0.9%	25,950	35,300
Total, All Occupations	14,533,800	14,817,800	142,000	1.0%	363,450	505,450

Job Openings is the sum of employment growth plus separations

Chart 1
Occupational Groups
Growth in 2004



Occupations with the Most Job Growth in 2004

Table 2 lists the occupations with the greatest growth in 2004. The top occupations typically fall into two distinct education and training categories: 1) jobs requiring minimal to moderate on-the-job training and 2) jobs requiring two and four year degrees. These two occupational groups represent a total of about 43,000 jobs or about 30 percent of the estimated 142,000 new jobs in 2004.

Growth jobs in the minimal training category requiring less than 12 months of on-the-job training include: Retail Salespersons, Combined Food Preparation and Serving Workers, Cashiers, Customer Service Representatives, Waiters and Waitresses, and Teacher Assistants. The average annual salary in 2003 for these occupations ranges from \$17,000 for Waiters and Waitresses to about \$33,000 for Customer Service Representatives. Each of these six occupations will add from 3,000 to 6,000 new jobs in 2004.

Growth jobs requiring more training include: Computer Support Specialists requiring a two-year degree and Computer Software Engineers and Teachers requiring a four-year degree. In 2003 the average annual salary for these occupations ranges from around \$50,000 per year for Elementary School Teachers to over \$86,000 a year for Computer Software Engineers, specializing in either applications or systems software. Elementary School Teachers and Computer Software Engineers, Systems Software will add from 2,000 to 3,000 new jobs in 2004. Computer Software Engineers, Applications will add 3,000 to 6,000 new jobs in 2004.

Top Growth Occupations Statewide for 2004

Table 2

3,000 to 6,000 New Jobs

Retail Salespersons
Combined Food Preparation and Serving Workers, Including Fast Food
Cashiers
Customer Service Representatives
Computer Software Engineers, Applications
Computer Support Specialists
Waiters and Waitresses
Teacher Assistants

2,000 to 3,000 New Jobs

Computer Software Engineers, Systems Software
Elementary School Teachers, Except Special Education
Office Clerks, General
General and Operations Managers
Security Guards
Cooks, Restaurant

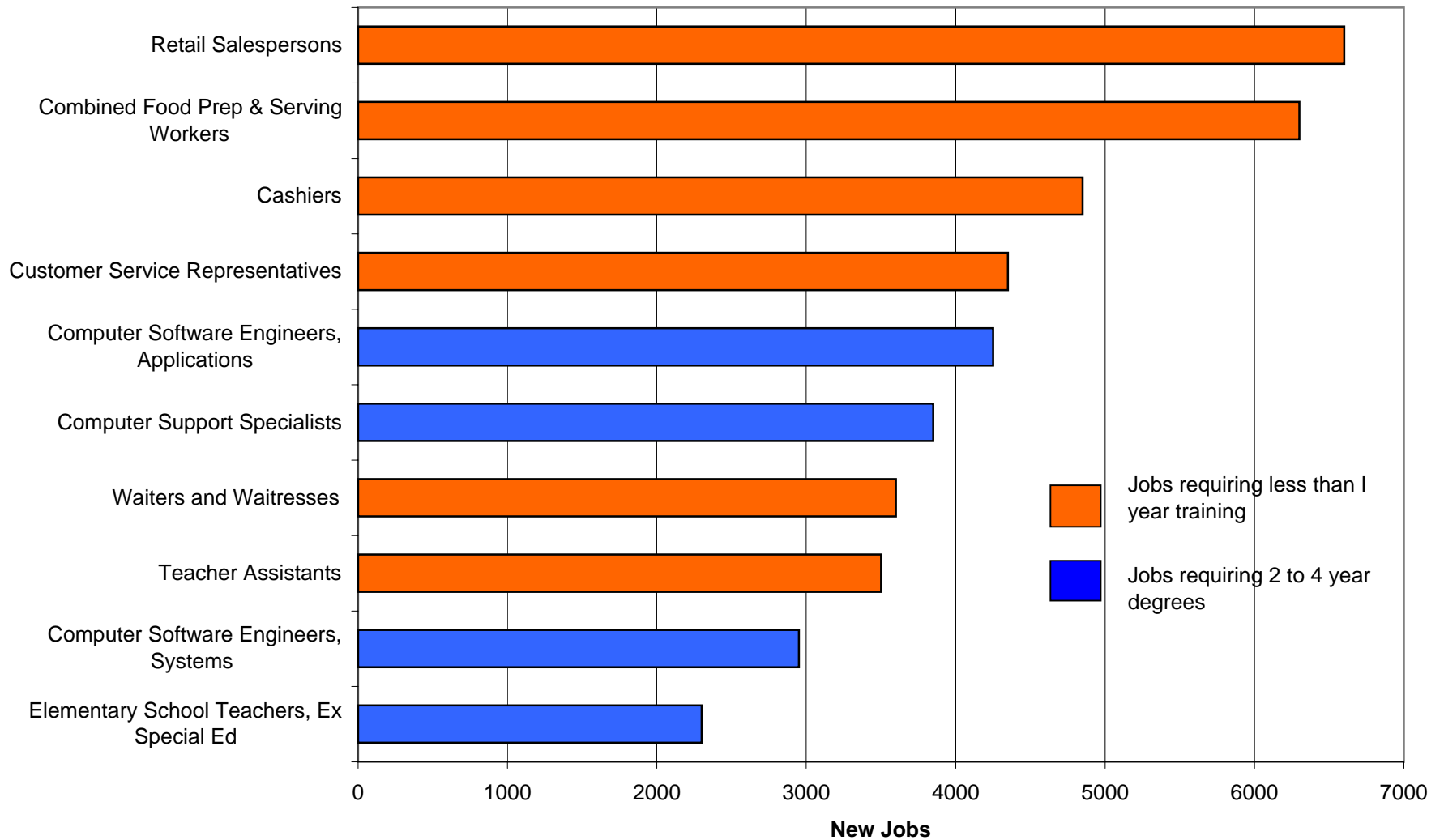
1,000 to 2,000 New Jobs

Network and Computer Systems Administrators
First-Line Supervisors/Managers of Retail Sales Workers
Truck Drivers, Heavy and Tractor-Trailer
Medical Assistants
Laborers and Freight, Stock, and Material Movers, Hand
Carpenters
Secondary School Teachers, Except Special and Vocational Education
Receptionists and Information Clerks
Registered Nurses
Packers and Packagers, Hand
Construction Laborers
Computer Systems Analysts
Automotive Service Technicians and Mechanics
Personal and Home Care Aides
Truck Drivers, Light or Delivery Services
Child Care Workers
Computer and Information Systems Managers
Executive Secretaries and Administrative Assistants
Food Preparation Workers
Electricians
Maids and Housekeeping Cleaners
Landscaping and Groundskeeping Workers

700 to 1,000 New Jobs

Fitness Trainers and Aerobics Instructors
Sales Managers
Home Health Aides
Accountants and Auditors
Financial Managers
Stock Clerks and Order Fillers
Nursing Aides, Orderlies, and Attendants
Social and Human Service Assistants
Network Systems and Data Communications Analysts
Janitors and Cleaners, Except Maids and Housekeeping Cleaners
First-Line Supervisors/Managers of Food Preparation and Serving Workers
Counter and Rental Clerks
Dental Assistants
Property, Real Estate, and Community Association Managers
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products

Chart 2
Largest Growing Occupations in 2004



Fastest Growing Occupations Statewide in 2004

Table 3 shows the fastest growing occupations as determined by the annual percent growth in new jobs. The fastest growing occupations in 2004 will be computer related such as Computer Support Specialists, Computer Software Engineers, Network and Computer Systems Administrators and Multi-Media Artists and Animators. Other areas of growth in 2004 will be in Health, Education and Personal Services occupations. Medical Assistants, Medical Records and Health Information Technicians and Home Health Aides are projected to grow at least 2 ½ times as fast as the state as a whole. In Education, Special Education Teachers, Speech Language Pathologists, and Preschool and Child Care Education Administrators will grow at least at a 2.5 percent annual growth rate. In the Personal Services category, Personal and Home Care Aides, Fitness Trainers and Aerobic Instructors, Gaming Dealers and Child Care Workers will all experience growth in 2004. These top 25 fast growing occupations will account for about 34,000 jobs in 2004 or about 24 percent of the 142,000 total new jobs.

Fastest Growing Occupations 2004

Table 3

Above 3 Percent Annual Growth

Computer Support Specialists
Computer Software Engineers, Applications
Network and Computer Systems Administrators
Computer Software Engineers, Systems Software
Network Systems and Data Communications Analysts
Database Administrators
Personal and Home Care Aides
Multi-Media Artists and Animators
Fitness Trainers and Aerobics Instructors
Social and Human Service Assistants
Special Education Teachers, Preschool, Kindergarten, and Elementary School
Medical Assistants
Speech-Language Pathologists
Computer and Information Systems Managers
Gaming Dealers
Child Care Workers

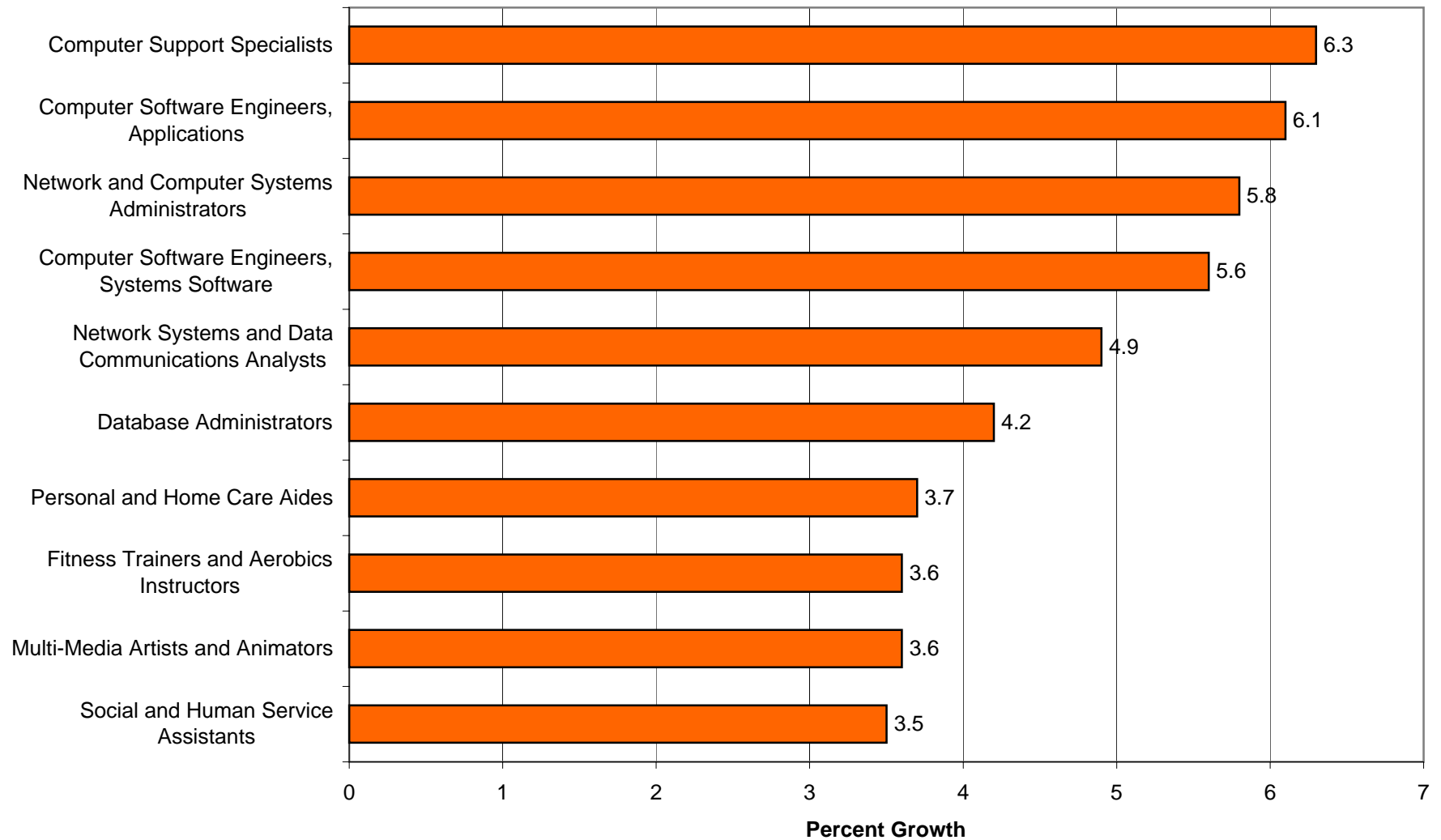
2.5 to 3 Percent Annual Growth

Special Education Teachers, Middle School
Computer Systems Analysts
Medical Records and Health Information Technicians
Combined Food Preparation and Serving Workers, Including Fast Food
Musicians and Singers
Property, Real Estate, and Community Association Managers
Personal Financial Advisors
Home Health Aides
Education Administrators, Preschool and Child Care Center/Program
Nonfarm Animal Caretakers

2 to 2.5 Percent Annual Growth

Special Education Teachers, Secondary School
Sales Managers
Educational, Vocational, and School Counselors
Graduate Teaching Assistants
First-Line Supervisors/Managers of Personal Service Workers
Occupational Therapists
Producers and Directors
Public Relations Managers
Pharmacy Technicians
Sheet Metal Workers
Teacher Assistants
Customer Service Representatives
Vocational Education Teachers, Postsecondary
Amusement and Recreation Attendants
Real Estate Sales Agents
Public Relations Specialists
Substance Abuse and Behavioral Disorder Counselors
Editors
Hotel, Motel, and Resort Desk Clerks
Cooks, Restaurant
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Instructional Coordinators
Coaches and Scouts
Reinforcing Iron and Rebar Workers

Chart 3
Fastest Growing Occupations in 2004



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